



Manufacturers of High Quality Agricultural Machinery

HiSpec Engineering Ltd

**KOMPACTOR** //

Operators Manual



HiSpec Engineering Ltd.  
Station Rd, Bagenalstown, Co. Carlow  
Tel +353 (0) 59 9721929 / 9721992  
Fax: +353 (0) 59 9721980  
Website: [www.hispec.net](http://www.hispec.net)  
Email: [sales@hispec.net](mailto:sales@hispec.net)







*Parts are subject to change at any time, without prior or direct notice to the customer. The contents of this manual can also be changed without prior notice. For information about adjustment, maintenance or repair, which are not mentioned in this manual, you are advised to consult the technical support of your supplier.*

*This manual has been made with all possible effort, but HiSpec Engineering and its suppliers cannot be responsible for possible mistakes in this manual, nor for the consequences.*



## 1. Contents

2.	Introduction .....	7
3.	Approved Machine Applications .....	8
4.	Identification and Safety Decals .....	9
4.1.	HiSpec Identification Plate .....	9
4.2.	Safety Decals .....	9
5.	Safety.....	15
5.1.	General Safety Precautions .....	15
5.2.	General Safety Precautions (Continued).....	16
5.3.	Safety Check List.....	16
5.4.	Safety Decal Locations.....	18
5.4.1.	Front.....	18
5.4.2.	Side A / B .....	19
6.	Machine Overview .....	20
6.1.	Machine Variations .....	20
6.2.	Machine Data Sheet .....	21
6.3.	Main Machine Parts .....	22
6.4.	Optional Extras .....	24
7.	Emergency / Parking Brake .....	25
8.	Hydraulic Connections .....	27
9.	Electrical Connections.....	29
10.	Wheel removal/refitting .....	30
11.	Tractor Requirements .....	31
12.	Connection to Tractor .....	32
13.	Road Transport.....	33
14.	Operating Procedures .....	34
14.1.	Filling or 'In The Field' Operating Instructions.....	34
14.2.	'In The Yard' Operating Instructions .....	34
14.3.	Tailgate Operation .....	35
14.4.	Moving Floor Operation .....	35
14.5.	Sliding Axle Operation .....	37
14.6.	Passive Steering Axle Operation.....	38
14.7.	Forced Steering Axle Operation.....	39



14.8.	Lift Axle Operation .....	40
14.9.	'Demounting' Operating Procedure .....	41
14.10.	Mounting the trailer body .....	43
15.	Maintenance, Cleaning & Storage .....	44
15.1.	Warning! .....	44
15.2.	General Precautions .....	45
15.3.	Daily Checks / Maintenance .....	46
15.4.	25 hour Checks / Maintenance.....	46
15.5.	6 Month Checks / Maintenance .....	46
15.6.	Bolt Tightening Torques.....	47
15.7.	Tyre Options .....	47
15.8.	Wearing Parts .....	48
15.9.	Replacing Nylon Strips .....	48
15.10.	Grease Points .....	49
15.10.1.	Grease Point A ; Axles.....	50
15.10.2.	Grease Point B ; Drawbar .....	51
15.10.3.	Grease Point C ; Tailgate .....	52
15.11.	Cleaning & Storage .....	53
16.	Notes .....	54
17.	Sales & Service .....	55
18.	Warranty .....	56
19.	Conditions of Sale .....	57
20.	Registration Forms .....	60
21.	Registration Forms .....	61
22.	Declaration of Conformity .....	63

## 2. Introduction

***Congratulations on Purchasing a HiSpec Kompactor Trailer.***

***Please Read the Following Manual Before Using the Machine.***

The way you care for and maintain this machine will decide its future performance. This manual has been carefully written to help you maintain the condition of your machine. Read this manual carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or machine damage.

HiSpec Kompactor Trailers have been designed and manufactured in compliance with the following directives and standards;

### ***Machinery Directive 2006/42/EEC***

Harmonised standards;

- *EN ISO 12100 : 2010 ; General Principles for Design - Risk Assessment and Risk Reduction.*
- *EN ISO 4254 - 1:2013 ; Agricultural Machinery - Safety - Part 1 General Safety.*
- *EN ISO 14121-1:2007, Safety of Machinery – Principle of Risk Assessment*
- *EN 842:1996 + A1:2008 ; Safety of Machinery - Visual Danger Signals - General Requirements, Design and Testing.*

This manual should be kept within the vicinity of the machine at all times and should be considered a permanent part of your machine. It should remain with the machine should you decide to sell it.

Warranty is provided as a part of HiSpec Engineering's support program for customers who operate and maintain this machine and equipment as described in this manual. This warranty provides you the assurance that HiSpec Engineering will back its machines should defects appear within the warranty period. If the machine is abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and improvements may be denied.

All information, illustrations and specifications in this manual are based on the latest product information available at the time of publication.

It is the policy of HiSpec Engineering to improve its products and designs whenever it is practical and possible to do so. We reserve the right to make changes or improvements at any time without incurring any obligation to make such changes on products sold previously.

***Thank You for Choosing HiSpec Engineering***

### 3. Approved Machine Applications

The **HiSpec Kompactor** trailers have been designed using the most modern practices and robust, quality materials for the purpose of increasing the efficiency in the transportation of Low Density Fibrous Materials (Forage crops) such as Chopped Grass, Maize Silage and Whole Crop Silages.

The **Kompactor** has been designed to decrease the amount of maintenance time spent on trailers. It has been designed to be able to compact low density materials so as to increase load capacity. *(The compaction process can lead to an increase of 50% of dry grass material)* which in turn leads to a decrease in the overall amount of time the machine spends on the road away from the forager, a decrease in the number of machines required to carry out the harvesting job and hence a decrease in the amount of labour cost.

The **HiSpec Kompactor** has been designed to meet the demands of the modern efficient Farmer and Contractor.

HiSpec Engineering will not be held responsible for any loss or damage resulting from machine applications other than those specified above. Any other use the machine may be put to is entirely at the owners/operators risk. The Designated use of a Kompactor trailer includes that the operating, maintenance and repair instructions given by the manufacturer will be strictly fulfilled. Designated use means operating the Kompactor trailer is exclusively for persons familiar with the machine and fully aware of the associated risks involved in operating it.

By any alteration of safety equipment, the Declaration of Conformity, as well as the CE sign on machine loses its validity.



## 4. Identification and Safety Decals

### 4.1. HiSpec Identification Plate

A	Name of Manufacturer	HI-SPEC	Max Permitted Laden Weight	21000 kg	Design Weight (if Higher than permitted in Ireland) (kg)	27000 kg
	Vehicle Identification Number	KP1052		Foremost Axle	9000 kg	12000 kg
R	Maximum Design Speed (km/h)	60	Axle 2 Weight	9000 kg	12000 kg	
	Tyre Size	445/65 R22.5	Axle 3 Weight			
	Load Speed Index	169 J	Axle 4 Weight			
	Single or Twin (S/T)	S	Max Drawbar Loading	3000 kg	3000 kg	
	Inflation Pressure for Weights	9 BAR	Vehicle Length (incl Drawbar)	9200 mm		
			Vehicle Width	2590 mm		

#### Identification plate explanation




- A Manufactures Information
- B Tyre Specifications
- C Dimensions and Loading Information


### 4.2. Safety Decals


*Safety decals are important safety notices to operators, they should be kept visible, maintained and replaced when worn.*


#### Decals;


	<b>Decal Name ;</b> Read Operators Manual 1
	<b>Description ;</b> Read the operators manual before Maintenance and Use


	<p><b>Manual No. ; 1</b></p> <hr/> <p><b>Order No. ; 819-f9</b></p>
	<p><b>Decal Name ;</b> Read Operators Manual 2</p> <hr/> <p><b>Description ;</b> Read the operators manual before Maintenance and Use</p> <hr/> <p><b>Manual No. ; 2</b></p> <hr/> <p><b>Order No. ; 819-f8</b></p>
	<p><b>Decal Name ;</b> Avoid risk from High Pressure Fluids, Consult Manual before Maintenance.</p> <hr/> <p><b>Description ;</b> High pressure fluid can puncher the skin and enter the blood stream, consult operators manual for service procedures</p> <hr/> <p><b>Manual No. ; 3</b></p> <hr/> <p><b>Order No. ; 819-244</b></p>
	<p><b>Decal Name ;</b> Danger due to High Pressure Fluids, Consult Manual before Maintenance.</p>


	<p><b>Description ;</b> The Accumulator is under gas and oil pressure, improper use and maintenance causes risk of injury, Consult operators manual for service procedures</p>
	<p><b>Manual No. ; 4</b></p>
	<p><b>Order No. ; 819-</b></p>


	<p><b>Decal Name ;</b> Maintain a safe distance from the machine while in operation</p>
	<p><b>Description ;</b> To avoid injury maintain a safe distance from the machine while in operation</p>
	<p><b>Manual No. ; 5</b></p>
<p><b>Order No. ; 819-224</b></p>	


	<p><b>Decal Name ;</b> Stay clear of tailgate swing area while in operation</p>
	<p><b>Description ;</b> To avoid injury stay clear of the machines tailgate while in operation</p>
	<p><b>Manual No. ; 6</b></p>
<p><b>Order No. ; 819-208</b></p>	


	<p><b>Decal Name ;</b> Stay clear of un-propped raised tailgate</p>
	<p><b>Description ;</b> To avoid injury stay clear of the machines un-propped tailgate</p>
	<p><b>Manual No. ; 7</b></p>
	<p><b>Order No. ; 819-209</b></p>

	<p><b>Decal Name ;</b> Attach support before entering hazardous area</p>
	<p><b>Description ;</b> To avoid injury attach suitable support before performing maintenance or entering hazardous areas</p>
	<p><b>Manual No. ; 8</b></p>
	<p><b>Order No. ; 819-203</b></p>

	<p><b>Decal Name ;</b> Stay clear of moving floor</p>
	<p><b>Description ;</b> Stay clear of moving floor when in operation, a crush zone between chassis and moving floor may cause crush related injury.</p>
	<p><b>Manual No. ; 9</b></p>
	<p><b>Order No. ; 819-2</b></p>

	<p><b>Decal Name ;</b> Do not ride on platform or ladder</p>
	<p><b>Description ;</b> Do not ride on platform or ladder when the machine is in operation</p>
	<p><b>Manual No. ;</b> 10</p>
	<p><b>Order No. ;</b> 819-227</p>

	<p><b>Decal Name ;</b> Check wheel nuts and tyre pressure</p>
	<p><b>Description ;</b> A reminder to the operator to Check the tightness of wheel nuts and tyre pressure regularly.</p>
	<p><b>Manual No. ;</b> 11</p>
	<p><b>Order No. ;</b> 819-2xx</p>

	<p><b>Decal Name ;</b> Machine Jacking Point</p>
	<p><b>Description ;</b> This is the location at which it is safest to raise and support the machine via a jack and axle stands.</p>
	<p><b>Manual No. ;</b> 12</p>



	<b>Order No. ; 819-2xy</b>
--	----------------------------

## 5. Safety

### 5.1. General Safety Precautions

#### *Dangerous Zones*

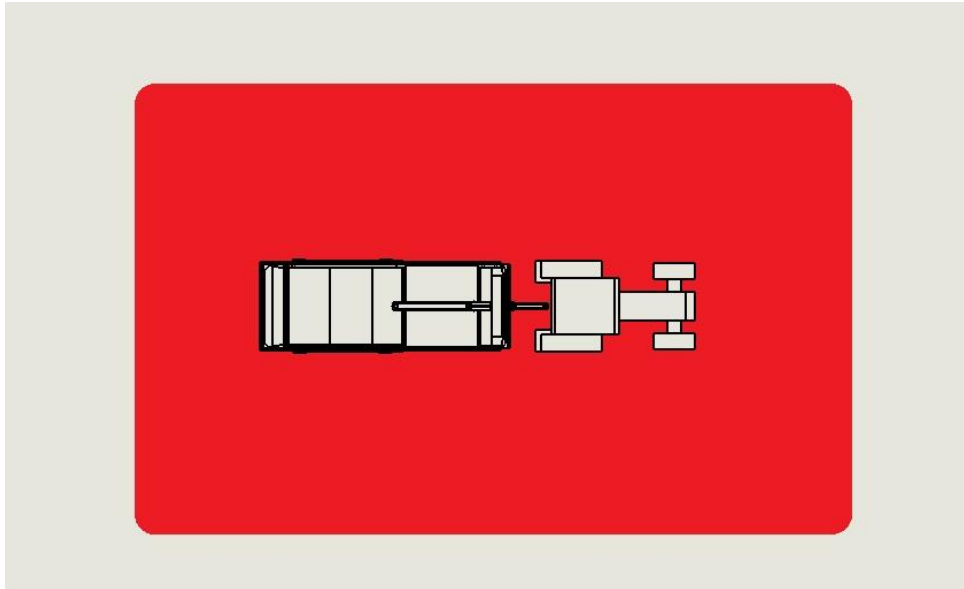
#### *Zone A; Behind the trailer*

This zone is where it is most difficult to see personnel. Injury can occur to people in this zone being pinned between the tailgate and walls, or loads being emptied over unaware persons.



#### *Zone B; Around the Tractor and Trailer Combination*

It can be difficult to remain vigilant of all happenings around the machine when operating, this is why the vicinity of the machine can be dangerous and as such should be treated so. Where possible and exclusion zone should be made known around the tractor and trailer combination.



## 5.2. General Safety Precautions (Continued)

- *Keep a first-aid kit and a fire extinguisher close by at all times, if possible, on your tractor with this operator instruction manual.*
- *Have an emergency plan.*
- *Keep all emergency numbers close by; write them into your manual.*
- *Inspect your machine carefully each time before use; this will only take a minute.*
- *Always check inside the machine before starting or filling it, to make certain it is empty.*
- *Stop & Park machine when leaving unattended.*
- *Children should never be in the area when your Kompactor is in operation.*
- *Using a Kompactor Trailer is a one-man operation therefore there should be no other person(s) in the vicinity of the machine while in use.*
- *Remember that the first step to avoiding danger is to recognise the hazards.*

## 5.3. Safety Check List

- *Always* disconnect all power sources before carrying out any adjustment or maintenance.
- *Always* check inside the machine to make sure it is empty.
- *Always* check around the machine making sure everything is in order; this will only take a minute.
- *Study this manual.* Provide training to new users. Like all farm machinery, any machine is potentially dangerous when under the control of untrained personnel.



- **Exercise extreme care** when loading manure into the machine.
- **Always** ensure guards and other safety devices are kept in good working order. Replace if necessary.
- **Keep clear of all moving parts.**
- **Always** use shear bolts recommended to you by HiSpec Engineering.
- **Always** keep all hydraulic hoses and electric cables clear from PTO shaft.
- **Always** apply the handbrake before unhitching and park the machine in a level area.
- **Always** use the ladder for inspecting inside the machine. Do not climb up the side of the machine.
- **Always** take extra precautions when using the machine on hilly or sloping ground.
- **Never** permit young persons or spectators to operate equipment or stand anywhere close by when the machine is in operation.
- **Never** permit untrained personnel to operate the machine without reading this manual and or receiving training.
- **Never** operate the machine without having all guards in place; they are there for your safety and protection against serious injury and death.

## 5.4. Safety Decal Locations

### 5.4.1. Front



#### **List of decals;**

- 1; Read Operators Manual 1
- 2; Read Operators Manual 2
- 3; Avoid risk from High Pressure Fluids
- 4; Danger due to high pressure fluids...

- 5; Maintain a safe distance from the machine while in operation
- 9; Stay clear of moving floor
- 10; Do not ride on platform or ladder

### 5.4.2. Side A / B



**List of decals;**

- 5; Maintain a safe distance from the machine while in operation
- 6; Stay clear of tailgate swing area while in operation
- 7; Stay clear of un-propped raised tailgate

- 8; Attach support before entering hazardous area
- 11; Check wheel nuts and tyre pressure
- ID Plate; HiSpec Identification plate



## 6. Machine Overview

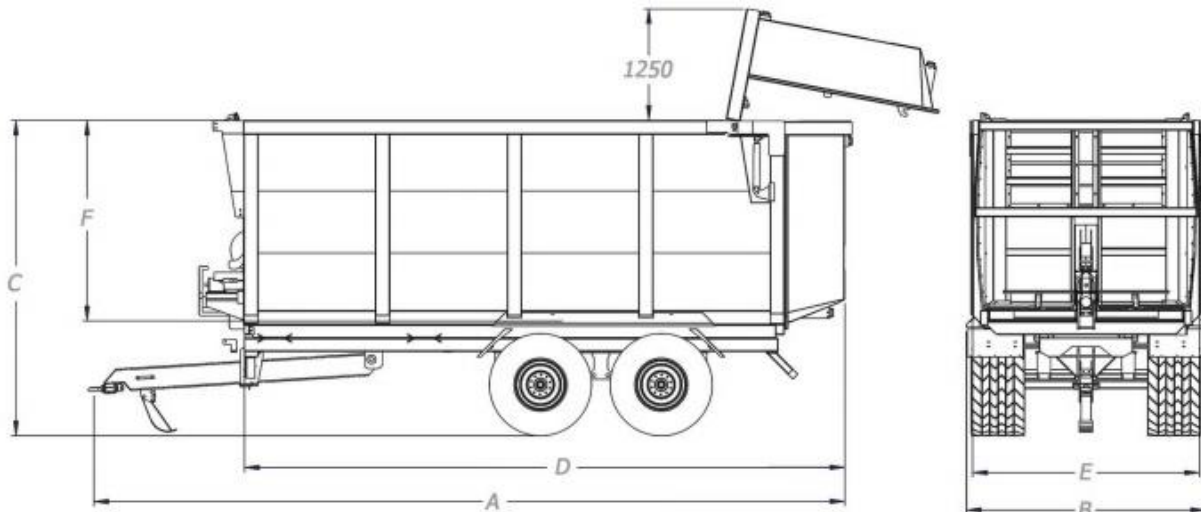
### 6.1. Machine Variations

The *HiSpec Kompactor* trailer range consists of 4 models; the **K30**, **K33**, **K36** and **K40**

***Standard Equipment includes;***

- HiSpec Moving Headboard Mechanism
- HiSpec Locking Tailgate
- Tailgate Check Valves
- Hydraulically suspended Drawbar
- Cable Controlled Park Brake
- Hydraulic / Air Braking system
- Sprung Tandem Axle Running Gear (Tridem Std on K 40)
- Super Single Wheels / Tyres
- High Quality hydraulic components
- LED Lighting Package

## 6.2. Machine Data Sheet



<i>KompaCTOR</i>		<i>K30</i>	<i>K33</i>	<i>K36</i>	<i>K40</i>
Length overall (m)	<i>A</i>	7.25	7.85	8.45	9.15
Width overall (m)	<i>B</i>	2.69	2.69	2.69	2.69
* Height overall (m)	<i>C</i>	3.55	3.55	3.55	3.55
Length monocoque (m)	<i>D</i>	5.57	6.17	6.77	7.47
Width monocoque (m)	<i>E</i>	2.55	2.55	2.55	2.55
* Height monocoque (m)	<i>F</i>	2.26	2.26	2.26	2.26
* Top Rail height (m)		3.55	3.55	3.55	3.55
Cubic Capacity m <sup>3</sup>		28.2	31.4	34.6	37.8
Max. weight by design (kg)		18000	18000	18000	28000
+Silage capacity (not compacted)		11500	12600	14000	15000
Axle track		2000	2000	2000	2000
Number of axles		2	2	2	3
Axle beam size		127 dia	127 dia	127 dia	127 dia
Brake size		420x180	420x180	420x180	420x180
Axle springs		3 x 75mm	3 x 75mm	3 x 75mm	3 x 75mm
Unladen weight approx. (kg)		6300	6700	7100	9100
Standard tyres		445/65 R22.5	445/65 R22.5	445/65 R22.5	445/65 R22.5

+ based on 400kg/m<sup>3</sup> for silage \* based on 600/50 R22.5

### 6.3. Main Machine Parts

**Front**



- |   |                      |   |                               |
|---|----------------------|---|-------------------------------|
| a | Top Support Member   | f | Drawbar Stand                 |
| b | Hydraulic Hose Reel  | g | Drawbar                       |
| c | Mid Support Member   | h | Hydraulic / Air Connections   |
| d | Moving Floor         | i | Hydraulic Push-off Mechanisms |
| e | Hydraulic Suspension | j | Moving Headboard              |

**Rear**



- |   |                                 |   |                       |
|---|---------------------------------|---|-----------------------|
| a | Contained Tailboard control     | d | Standard Light board  |
| b | Upper LED lights                | e | Rear Bumper           |
| c | Tailboard (with internal locks) | f | Standard Tandem Bogie |



## 6.4. Optional Extras

a) Choice of Sliding Tandem K 33 and K 36 models



b) Choice of Tridem lift axle on K 40 models



c) Passive Steering Rear axle on Tandem models



d) Force Steering Front and Rear axle on Tridem models



e) Upgraded Wheels / Tyres (as shown in the product brochure)



f) Demountable Option on K 36 and K 40 models





## 7. Emergency / Parking Brake

The Kompactor trailers are fitted with a breakaway system that comes into effect when the Air brake hoses become disconnected from the tractor, The loss of pressure causes the brakes to engage so as to prevent the trailer becoming a runaway.

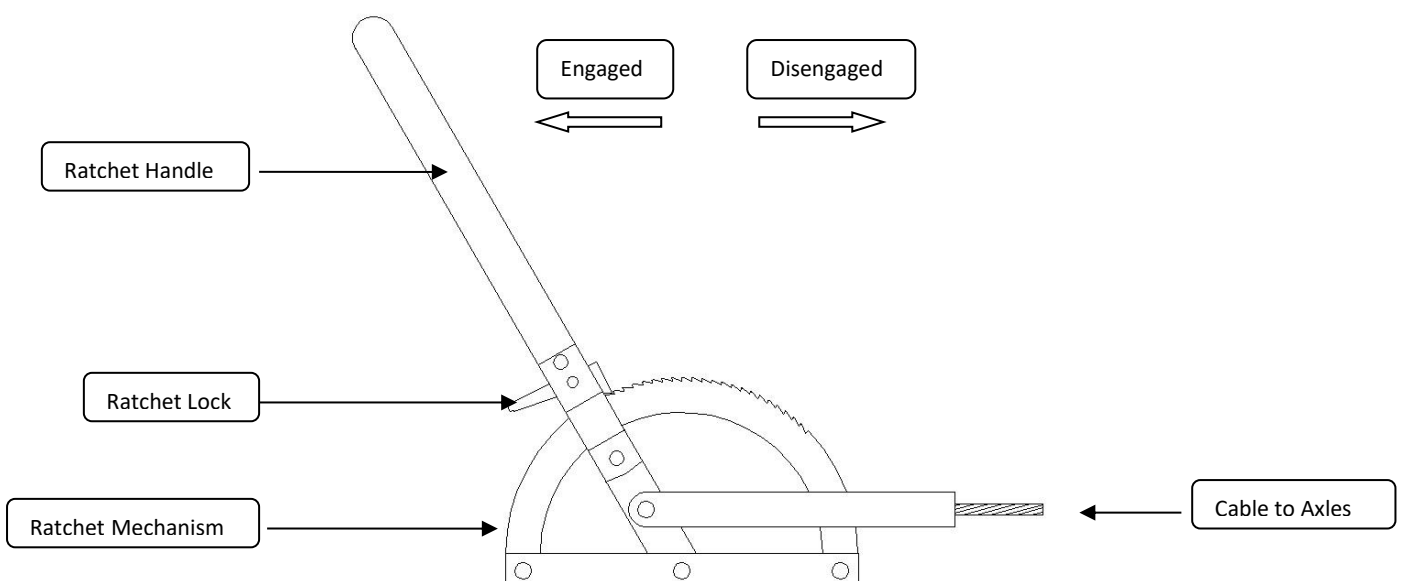
The purpose of controlled repositioning of a parked trailer in a yard this function can be disengaged by activating the shunting valve.

The trailer is also supplied with a park brake consisting of a ratchet mechanism and wire rope connected to the axles park brakes. This wire rope should be tight enough so it will work effectively when the trailer is disconnected from the tractor, but loose enough that the handbrake is not been applied during normal operation.

Shunt Valve;

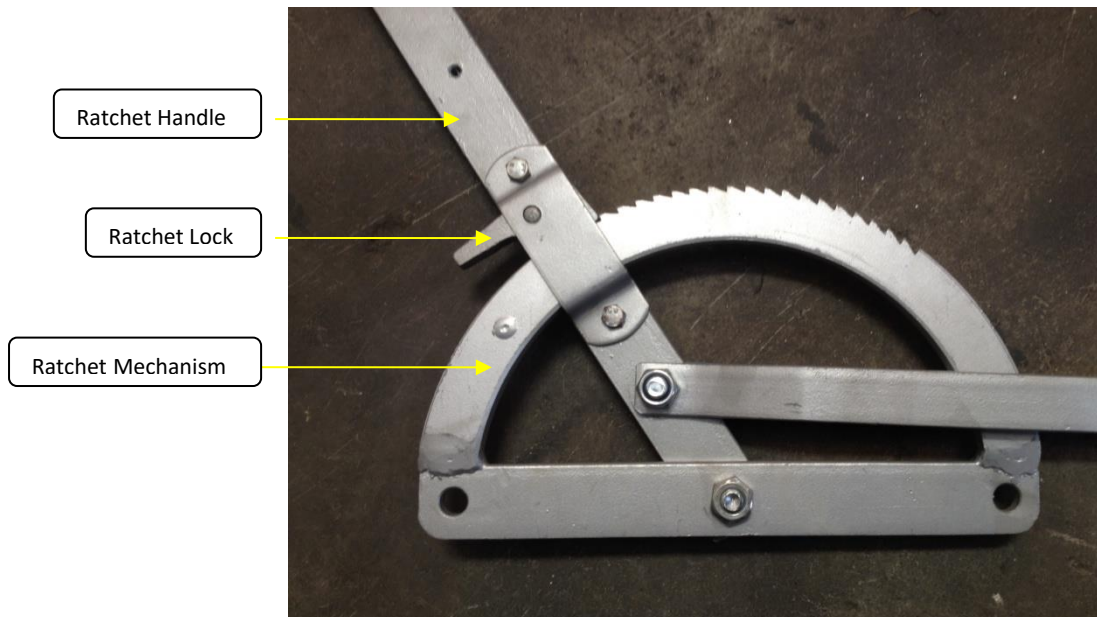


Parking Handbrake;



### ***Disengaging the Park handbrake***

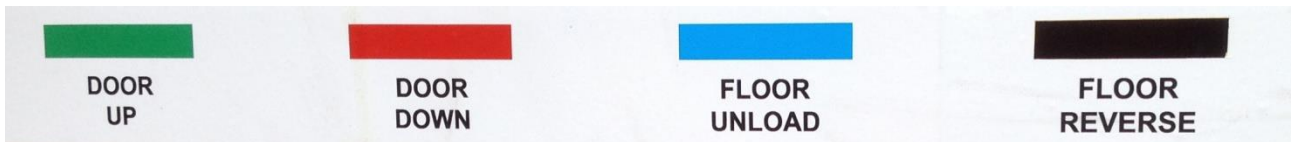
The handbrake is disengaged by following the steps below:



- Pull the handle towards the front of the trailer so the ratchet will disconnect itself from the Ratchet teeth.
- Press down on the ratchet lock (pressing towards the ratchet mechanism)
- Push the handle back to its original off position.

**WARNING:** It is important to check that the handbrake be fully released when the trailer is in use. If the brake is left half applied it will cause damage to the trailers brakes.

## 8. Hydraulic Connections



a; Hydraulic Hose Colour Indicator  
b; Air Hose Stowage

c; Hydraulic Hose Stowage

### Connections

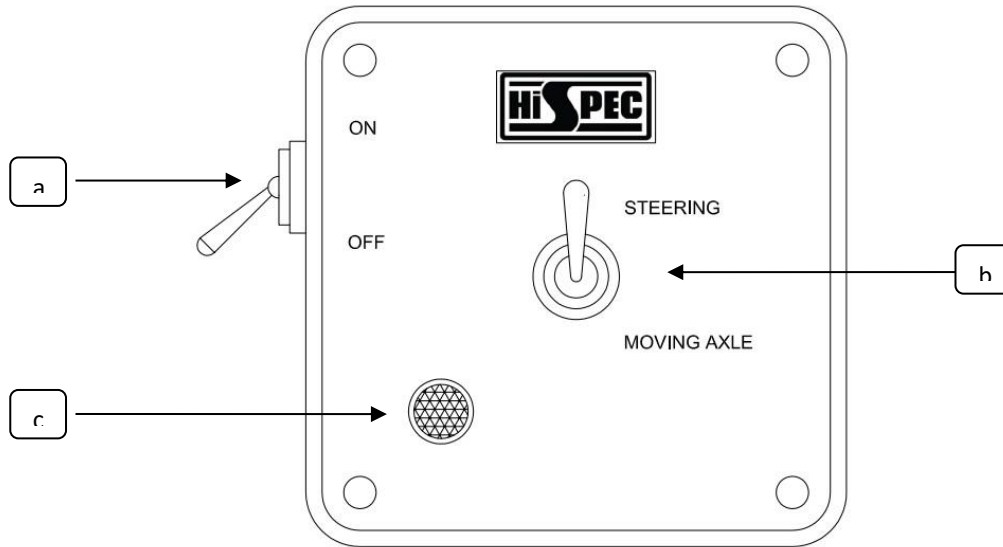
Green	Tailgate open
Red	Tailgate Close / Lock
Blue	Floor Unload
Black	Floor Reverse
Yellow (set)	Auxiliary 1
White (set)	Auxiliary 2

***\*Auxiliary 1 used for pressurising drawbar and the demount process, once set this can be left in storage ports provided.***

***\*\* Auxiliary 2 used for steering axle lock, and sliding bogie or lift axle.***



## 9. Electrical Connections



Control box ;

- a On / off switch
- b Steering lock / axle control (slide / lift)
- c Power Light (illuminated when powered on)

***Connect to tractor using a Standard 12 volt plug,***

## 10. Wheel removal/refitting

Due to the size and weight of trailing agricultural machines special precautions must be adhered to when removing or replacing a tyre and wheel assembly.

***Due to the risks involved, wheel removal MUST only be carried out by skilled trained personnel (i.e. professional tyre fitter).***

It is advised that before any work is carried out;

- If the machine is a hazard on a public road that suitable warning is provided to other road users;
- The machine is emptied and moved to a level area with good solid ground;
- The machine wheels are chocked and it is hitched to a tractor with its parking brake effectively engaged;
- A jacking / lifting / supporting position is chosen to maintain maximum machine stability;
- The load at the jacking / lifting point is known;
- The jacking / lifting equipment has sufficient lift capacity and is adequately maintained for the task;
- Ground conditions at the jacking point can withstand the loading;
- The hydraulics of any Forklift Truck / Telescopic Handler / etc, deployed are not solely relied upon while working in the danger zone;
- An adequately rated axle stand or other prop is positioned following the same safety procedure as for choosing the jacking point;
- There is no possibility of slippage between the safety prop (axle stand or other adequate strength support) and the machine;
- As far as possible those involved in the task stay clear of the danger zone (crush area if the machine were to collapse off its temporary support);
- Where possible, mechanical aids are used to lift / position wheels;
- High visibility clothing is worn where appropriate and where possible the work is carried out away from live traffic;
- Please consult your local HiSpec dealer or contact HiSpec Engineering Ltd directly if there are any queries.

### Jacking Points

- Jacking points are provided at the rear of the machine as indicated by this symbol.



- Trailer must be empty before jacking
- Jacking and wheel removal must only be carried out by skilled trained personnel (i.e. professional tyre fitter).



## 11. Tractor Requirements

### *Kompactor Requirements*

<b>Model / Requirements</b>	<b>K30</b>	<b>K 33</b>	<b>K 36</b>	<b>K 40</b>
Min Hp (Kw)	110 (82)	140 (90)	160 (105)	160 (120)
Max Hyd Pressure (bar)	200	200	200	200
Hydraulic Connection *	2/3 x DA Spool	2 / 3 x - DA Spools	3 / 4 x - DA Spools	3 / 4 x - DA Spools
Electrical Connections	7 Pin Light Socket	7 Pin Light Socket / 9 Volt Control box	7 Pin Light Socket / 9 Volt Control box	7 Pin Light Socket / 9 Volt Control box
Brake Connection	Hydraulic / Air	Hydraulic / Air	Hydraulic / Air	Hydraulic / Air
Max Km/Hr	40 / 60	40 / 60	40 / 60	40 / 60

*\* depending on optional equipment added to machine*

## 12. Connection to Tractor

- **Connection of the trailer to the tractor and use of the combination should only be carried out by competent users who have read this manual and been trained in the use of the machine.**
- Ensure work area is clear of non-essential personnel,
- Ensure Trailer Park Brake is engaged and wheel chocks are in place,
- Perform a visual inspection of the machine  
(Include Hydraulic lines, Air lines, Grease Points, Nuts & Bolts, and Wheel Studs)
- Ensure Trailer Hitch is not excessively worn,
- Ensure Tractor Hitch is also not excessively worn.
- Hitch the Tractor to the Trailer,
- Ensure the Hitch is locked,
- Apply Tractor Handbrake,
- Raise Trailer Stand to the Stowage position,
- Connect the Trailer Braking system to the Tractor  
(Single Hydraulic pipe **or** Double Air pipe supply),
- Connect the Hydraulic Connections as shown in (fig...)  
(2 Connections for Headboard)  
(2 Connections for Tailgate)  
(2 Connections for AUX (Where Applicable))
- Connect the Electrical Connections  
(Trailer Lighting Connections)  
(Control Box Connection (9 volt) (Where Applicable))
- Test Trailer Brakes,  
(An additional person may be required for this operation)  
(Some Tractors may require disengagement of the handbrake for this operation)  
(Disengagement of the Trailer park brake is required)
- Reapply Tractor Handbrake and Trailer Park Brake,
- Test Hydraulic Functions of the Machine;  
(Proper Headboard Movement)  
(Proper Tailgate Movement & Locking)  
(Passive Steering Lock & Unlock where applicable)  
(Lift axle functions where applicable)
- Connect Forced Steering Setup as Shown in (fig...) ( Where applicable),
- Check Wheel Nuts and Tyre Pressures (Dependant on Tyre Choice),
- Ensure free movement of all moving parts,
- Disengage Trailer Park Brake,
- Remove Wheel Chocks
- Perform Final Test of Trailer Functions in a controlled area  
(Trailer movement,)  
(Trailer Braking)  
(Trailer steering where applicable)
- Ensure Tractor Link arms do not contact trailer drawbar or hydraulic / air hoses



## 13. Road Transport

Operators must take care to operate to the road rules and regulations relating to their locality. Always thinking of what may be ahead and behind. Local weights and speed limitations must be adhered to. Operators should also ensure that;

- The machine is only operated by competent personnel. It should only be used on public roads by persons legally allowed to do so.
- Weights do not exceed that of the manufacturers' specifications or that allowable by law in region of use.
- Speeds do not exceed that of the manufacturers' specifications or that allowable by law in region of use.
- On Trailers equipped with passive steering axles, the axles should be locked when travelling at speeds exceeding 15 Km/Hr.
- Before travelling on a public road the operator must ensure that the trailer lights are connected and working. Warning lights (flashing amber beacons) should be mounted and used where necessary.
- Extra care should be taken on narrow roads.
- Do not operate when fatigued.
- Do not use mobile devices while operating the machine.

## 14. Operating Procedures

### 14.1. Filling or 'In The Field' Operating Instructions

- Ensure the trailers tailgate is closed and locked correctly before field operations.
- Maintain a safe distance from other machinery operating in the area,
- Treat slopes with respect, lock steering axles on slopes
- Ensure the trailer has a load of 50% before compacting material.
- Only compact the load using the machines moving headboard mechanism
- Whilst compacting the load you may continue to load the rear of the trailer,
- Once you have compacted the load return the headboard to the front of the trailer and fill the front,
- Repeat the process as necessary,
- Load the trailer evenly
- Do not overload the trailer
- Use the steering axles when turning on headlands to avoid excess wear on running gear and the field surface.
- Drive in a manner that suits the ground conditions
- Beware of over head electrical wires

### 14.2. 'In The Yard' Operating Instructions

1. Ensure Operating area is clear of obstructions and non essential persons
2. Check for any height restrictive obstacle's
3. Be aware of the maximum height of the machine (with the tailgate open)
4. Ensure the operating area has a firm grounding suitable to carry the gross weight of both fully laden trailer and tractor combination.
5. Be aware of overhead power lines
6. Where applicable use Steering axles when manoeuvring in the operating area, locking the axles when reversing
7. Position the rear of the trailer at the point of unloading, with a clear path for exit in front of the combination,
8. Check crush zones before opening tailgate
9. Open Tailgate fully
10. Use the headboard mechanism to push the load out the rear of the trailer,
11. Move Trailer forward as required while unloading
12. Ensure the crush zones remain clear
13. Retract headboard mechanism at least 50% of the trailers length
14. Close the tailgate
15. Ensure tailgate is locked.

### 14.3. Tailgate Operation

Before operating the tailgate insure that the operating area is cleared of all personnel and that there are no obstructions to the closing or opening functions of the tailgate.

Insure that both the tailgate hydraulic lines (Green and Red tags) are connected to the same set of double acting spool valve on the tractor.

To Open the Tailgate;

- Ensure operating area is clear,
- Activate the 'Green' Line to unlock the tailgate,
- Keep the 'Green' Line activated to open the tailgate to the fully open point.

To Close and Lock the Tailgate

- Ensure operating area is clear,
- Activate the 'Red' line to shut the tailgate
- Continue to operate the 'Red' line to Lock the tailgate

Due to the addition of check valves to the tailgate hydraulic circuit the tailgate will fail to close when activating the red line if both the Red and Green lines are not connected.

### 14.4. Moving Floor Operation

Before operating the moving floor mechanism ensure operating area is clear of all personnel and obstructions. Insure both moving floor mechanisms hydraulic lines are connected (Blue and Black tags) to the same set of double acting spool valves on the tractor

#### ***When Compacting the Load***

- Ensure the tailgate is closed and locked,
- Ensure that the trailer is loaded to approximately 50% standard capacity,
- Activate the 'Blue' line to move the floor and headboard rearwards,
- Keep the 'Blue' line activated to Compact the load against the rear door,(levels of compaction will vary depending on crop.)
- The system is fitted with a hydraulic relief valve to prevent over pressurising the load and tailgate, this must not be tampered with.
- When finished compacting activate the 'Black' line to return the floor and headboard mechanism to the front of the trailer.
- Repeat the compaction process as necessary.

### ***When Emptying the Trailer***

- Ensure area is emptying area is sufficient to support the weight of the combination,
- Ensure operating area is clear of personnel and obstructions,
- Ensure clear exiting area,
- Unlock and fully Open the tailgate,
- Actuate the 'Blue' line and push the load from the trailer body
- 'Inch' the tractor trailer combination forward as necessary to facilitate unloading
- Once fully unloaded activate the 'Black' line to return the floor and headboard mechanism to the front position
- The tailgate can be closed and locked once the floor and headboard mechanism has returned 25% to the frontward position
- Return the headboard full to the front of the trailer and deactivate the Headboard and tailgate hydraulic circuits.

## 14.5. Sliding Axle Operation

This operation is used to reduce compaction on fields via evenly distributing the trailers weight. To achieve this, the axle bogie moves fore and aft. When the axles are in the forward position the trailer takes most of the loads weight, when extra grip is needed in field the axles can be pushed to the rear.

Beware having the axles forward also increases tail swing of the trailer, extra care should be taken due to this.

It is advised that for road work the axles are moved rearwards so a balance is found that places weight on the tractors drawbar, and so as to avoid an excessive tail swing.

The sliding bogie is operated via;

- turning on the electrical control box
- Selecting axle control
- Pressurising the auxiliary 2 hydraulic circuit in the required direction.



Axles in the rearward position



Axles in the forward position

## 14.6. Passive Steering Axle Operation

This feature allows for easy turning of a tandem axle unit, this reduces wear and drag on tyres, and also reduces damage to field headlands,

This feature should only be used at low speeds (under 15 Km/hr)

To insure this, the operator must lock the axle. The axle is locked hydraulically via;

- Switching the electrical control box on.
- Selecting the steering lock function,
- Pressurising the auxiliary 2 hydraulic circuit.

***This operation should only be carried out when the trailer is moving and in a straight, forward direction.***

The feature is unlocked by following steps 1 and 2 and then depressurising the auxiliary 2 hydraulic circuit.



## 14.7. Forced Steering Axle Operation

This feature allows for easy turning of a tri-axle unit, this reduces wear and drag on tyres, and also reduces damage to field headlands,

To fit this option to the trailer and the trailer to function the tractors hitch may have to be modified to suit the coupling system

This is a constant operation and care should be taken when travelling at high speeds.

Before operating the machine tracking should be set.

***This should be carried out by qualified professionals with experience***

To do so, carry out the following procedure;

- Connect tractor and trailer in a straight line, check this via a fixed reference point (e.g. distance between centre axle of trailer and rear axle of tractor on both sides)
- Visually inspect the axles wheels,
- If out of line check that the axles hydraulic cylinders are set correctly
- If cylinders are correct, check track rods alignment and set accordingly



Forced Steering Axles



Drawbar Setup

## 14.8. Lift Axle Operation

This operation is used to reduce compaction on fields via evenly distributing the trailers weight. To achieve this, the front axle is lowered. When the axle is in the lowered position the trailer takes most of the loads weight, when extra grip is needed in field the axle can be raised.

The axles should remain in the lowered position when travelling with a loaded trailer exceeding the gross weight of 23000 kg, the front axle may be lifted when travelling empty or with a load not exceeding 23000kg, this can reduce tyre wear significantly

The lift axle is operated via:

- Switching the electrical control box on
- Selecting Axle control
- Pressurising the Auxiliary 2 hydraulic circuit in the required direction.





## 14.9. 'Demounting' Operating Procedure

- Ensure Operating area is clear of obstructions and non-essential persons (1 extra person may be required to help in this operation) (a)
- Ensure Body storage area is level (a)
- Park Trailer in the allocated area. (a)
- Ensure the body is empty. (a)
- Make sure that steering axles are locked and that the tractor is facing straight (a)
- Ensure the Tailgate is locked, and moving floor and headboard are fully forward. (a)
- Open all twist locks using the spanner provided. (h)
- Disconnect all electrical and hydraulic connections between the chassis and body.
- Ensure the body is free to rise off the chassis.
- Activate the switch for moving the 'Lift' cylinders. Engage tractor spool to lift the body.



(a)

**NOTE:**

The body may not rise evenly. This is not a concern so long as the dismount area is level and the body is completely empty.

- Insert Rear legs fully, (d) (e)
- Insert front legs fully, (g)

**NOTE:**

The drawbar lifting function can be used to aim the demounting if required.



(b)



(c)



(d)

- Inspect the Legs, and body
- Lower the lifting rams using the tractor hydraulics. Ensure all rams are fully retracted.
- Slowly move the chassis forward ensuring not to catch the trailer body (j,k,l)
- Once the chassis is clear, cordon off the body area.



(e)



(f)



(g)



(h)

#### 14.10. **Mounting the trailer body**

- This is the reverse to the demounting operation.
- Ensure Operating area is clear of obstructions and non essential persons (1 extra person may be required to help in this operation)
- Position the tractor and trailer directly in front of the trailer body.
- Make sure that steering axles are locked and that the tractor is facing straight
- Ensure lifting rams are fully retracted
- Slowly Reverse the chassis under the centre of the body, keeping the chassis as close to central as possible,
- Slowly reverse into position
- Ensure that the 4 lifting cylinder align with the bracket on the trailer
- Raise the lifting cylinders. Ensure they are raised fully and the body is resting correctly on the lifting pin
- Remove the front legs & rear legs
- Lower the lifting cylinders
- Lock twists lock couplers into place and tighten using the spanner supplied
- Connect the hydraulic and electrical connections to the body,
- Test the functions of the machine
- 

#### **NOTE**

#### **Check tightness of twist locks daily**

## 15. Maintenance, Cleaning & Storage

### 15.1. Warning!

	<p>Installing, doing periodical maintenance and performing repairs may only be done by technically skilled person unless otherwise indicated.</p>
	<p>When repairing, maintaining and cleaning always shut down the motor, remove ignition key and carefully observe the instructions in the manual.</p>
	<p>Always use the correct tools and wear gloves when performing any maintenance. If working on a hoisted machine always ensure adequate support.</p>
	<p>Damage, including damage caused by insufficient greasing, is not covered by the warranty.</p>
	<p>When servicing Hydraulic components always ensure that any waste oil is properly disposed off according to the local environmental laws.</p>
	<p>After the first hour operating, tighten wheel nuts and check around machine for any problems</p>
	<p>If there is a problem with the machine contact your local HiSpec Dealer or HiSpec Engineering Ltd directly.</p>

## 15.2. General Precautions

- Learn how to service your machine correctly
- Follow the correct maintenance and inspection procedures shown in this manual
- Inspect the machine daily before use.
- Visual inspection should include components of the hydraulic and air systems, axle components, body and chassis structural components, and general nuts and bolts. These should be checked for excessive wear, cracks, and proper fitting.
- Check for loose or missing parts
- Always de-pressurise hydraulic system, park and switch off tractor before carrying out maintenance.
- Never operate machine without safety guards in position.
- Ensure Tailgate is adequately Propped before attempting entering the rear of the trailer, or performing maintenance under an open tailgate



During operation, some parts of the hydraulic system can become hot; allow the machine to cool down before beginning inspection or maintenance procedures.

### 15.3. Daily Checks / Maintenance

- Check tightness of wheel nuts,
- Check tyre pressures,
- Check wear on axles/tyres
- Check Drawbar wearing parts ; toeing eye, pivot point, suspension parts
- Check suspension pressure
- For demountable bodies check twist lock tightness
- Ensure all safety decals are in good condition and clearly legible, replace as required.

### 15.4. 25 hour Checks / Maintenance

- Grease all points
- Ensure correct torque on all axle u-bolts
  - Spring over axle = 540 Nm
  - Spring under axle = 640 Nm
- Check Hydraulic components and hoses for wear, leakage, and damage. Replace damaged parts
- Check Headboard and Moving floor Rubber seals, Adjust and Replace as necessary
- Inspect Nylon wear plates, Replace as necessary
- Inspect Headboard Nuts and Bolts, Tighten and Replace as necessary
- Check wear on tailgate locking system.
- Check for water in brake air tanks, remove accordingly.
- Check Headboard / Moving floor movement, Ensure full free travel, adjust accordingly

### 15.5. 6 Month Checks / Maintenance

- Inspect Axles, and Axle wearing parts bearing etc., adjust and replace as necessary
- inspect brake shoes, discs and pads, replace where necessary
- Remove old grease from hubcap and replace

## 15.6. Bolt Tightening Torques

<i>Bolt Tightening Torques (8.8 quality bolts)</i>		
Thread Dimension	Spanner Size (mm)	Tightening Moment (Nm)
M8	13	24
M10	17	48
M12	19	85
M14	22	135
M16	24	210
M18	27	290
M20	30	400
M22	34	550
M24	36	700

## 15.7. Tyre Options

The initial Tyre options for the Kompactor trailers are;

Brand	Size	Pattern	Rating	Dimensions (mm)	Advised Pressure
<b>BKT</b>	600/55 - 22.5	Ridemax FL693	159D / 156E	Dia. 1172 x 600mm	4.0
<b>Barkley</b> (brand may differ)	445/65 - 22.5	BL606	169J	Dia. 1150 x 445mm	6.0

due to the range of speeds of current tractors from 30 kph to 60 kph tyres should be set to tyre manufactures specifications that best suit your requirements.

## 15.8. Wearing Parts

While HiSpec has done its utmost to reduce the amount of wearing parts in this machine some still remain, these include;

- Nylon wear pads
- Rubber sealing strips
- General Hydraulic fittings
- Axle wearing parts
- General Nuts and bolts

*A full parts list is available from HiSpec, as are all wearing parts. It is suggested to use genuine HiSpec parts as not doing so may void warranty.*

## 15.9. Replacing Nylon Strips

To replace nylon strips it may be necessary to remove the headboard mechanism from the trailer body. This should only be carried out by competent persons, and with machinery with the appropriate lifting capacity.

- Extend the headboard rearwards by approximately half the trailer length,
- Unbolt the main hydraulic cylinder from the moving floor,
- Retract the main cylinder and remove from the trailer. Capping all hydraulic connections and hoses
- Unbolt the tandem cylinder between the moving floor and headboard.
- Disconnect the hydraulic connections and cap them,
- Remove tandem cylinder.
- Clamp headboard in position securely.
- Perform a 'test' lift from lifting point in the middle of the headboard top rail, this is to find centre of gravity and prevent mechanism rotating.
- Move the headboard along the moving floor and clamp in appropriate place.
- Remove the trailer front cross members
- Slowly manoeuvre the headboard mechanism to the front of the trailer,
- Lift the mechanism over the front cylinder mount and remove it from the trailer.
- Place the mechanism on suitable supports (timber chocks),
- Unclamp the headboard and manoeuvre it off the back of the moving floor.
- Change the headboard nylons
- Lift the moving floor onto suitable supports and change the associated nylon strips.
- Reassemble the headboard onto the moving floor and clamp securely in the appropriate position.
- Slowly Lift the assembly back into the trailer body
- Reassemble the front trailer supports
- Reassemble hydraulic components
- Test functionality of the unit.



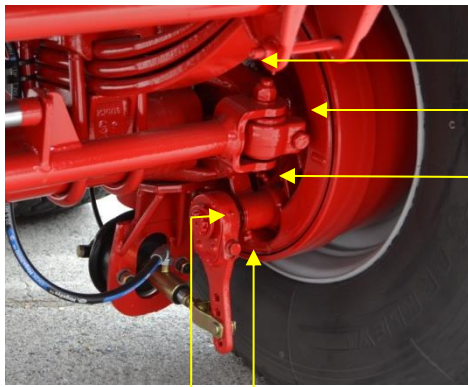
### 15.10. Grease Points



Grease Point	Location	No. Of Points
A	Axles	16 *
B	Drawbar	14
C	Tailgate	6

*\* Depending on Number of axles and choice of steering / standard axles (20 steering rear, 30 tri axle steering front and rear)*

**15.10.1. Grease Point A ; Axles**

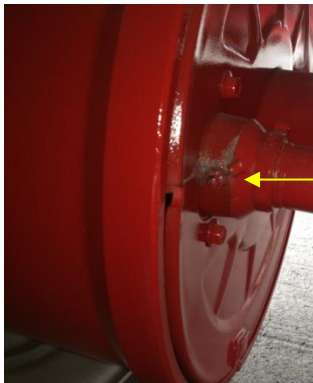


- 1
- 2
- 3



- 6
- 7

- 4
- 5



- 8
- 9



1 Steering Hub

2 Tie Rod

3 Brake Inner Hub

4 Brake Connector Rod

5 Brake Outer Hub

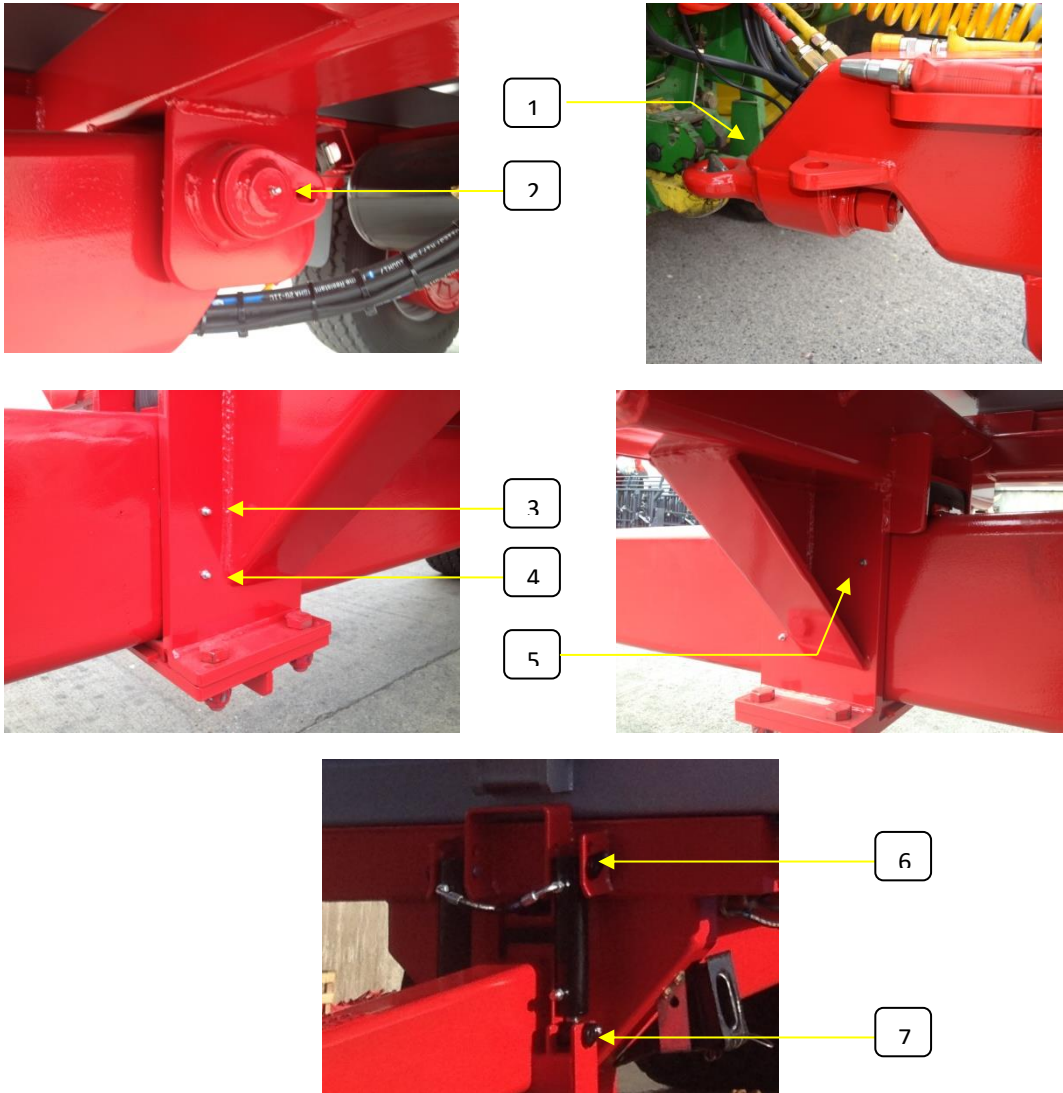
6 Brake Outer Hub

7 Brake Connector Rod

8 Brake Inner Hub

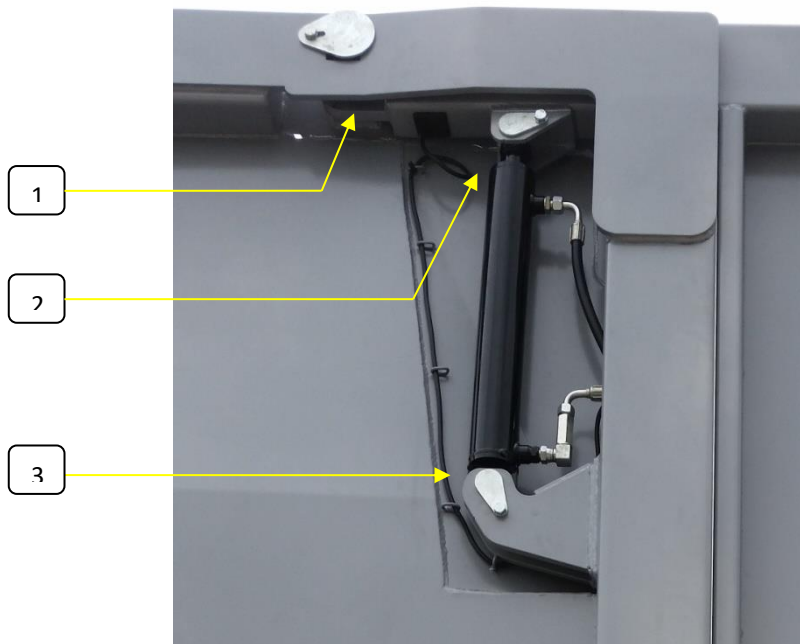
9 Axle Hub

**15.10.2. Grease Point B ; Drawbar**



- |   |                         |   |                              |
|---|-------------------------|---|------------------------------|
| 1 | Toeing Eye              | 5 | Drawbar Lateral Support      |
| 2 | Drawbar Pulling Pin     | 6 | Drawbar Suspension Upper Pin |
| 3 | Drawbar Lateral Support | 7 | Drawbar Suspension Lower Pin |
| 4 | Drawbar Lateral Support |   |                              |

**15.10.3. Grease Point C ; Tailgate**



1 Tailgate Sliding Hinge

3 Tailgate Cylinder Lower Pin

2 Tailgate Cylinder Upper Pin

## 15.11. Cleaning & Storage

### ***Cleaning***

It is important to regularly clean the machine, this helps locate areas of required maintenance, prolongs the lifetime of the machine, and helps stop cross contamination of fields / farms.

At the end of a season the trailer body and chassis should be thoroughly cleaned, removing all materials, muck, grease and dust.

To clean the inside of the body;

- Move The headboard mechanism to the front of the trailer,
- Prop the tailgate,
- enter the body
- remove material from the headboard, floor and sides and brush them out or the rear ensuring to dispose of them correctly,
- Exit the body
- Keep the Tailgate open and move the Headboard Mechanism to the rear of the trailer
- Clean the exposed chassis and front half of the trailer
- Return the headboard to the front of the trailer and close the tailgate.

Clean the underside of the body and the trailer chassis.

### ***Prior to storage,***

- Visually inspect the full trailer and replace any parts that are worn, broken or missing.
- replace any warning decals, and respray areas of worn paint
- Where possible coat the trailer with a light coating of oil to prevent rust and ceasing of moving parts



## 17. Sales & Service

### *Ireland*

#### **Head Office;**

HiSpec Engineering Ltd., Station Road, Bagenalstown, Co. Carlow, Ireland.

Tel ; +353 (0)59 972 19 29 Fax ; +353 (0)59 972 19 80

Email ; sales@hispec.net or info@hispec.net

#### **After Sales Service**

Contact ; Eoin Keane; HiSpec Engineering Ltd. Tel ; +353 (0)87 256 29 63

Email ; eoin@hispec.net

#### **Machine Servicing**

Contact ; Michael Brennan ; HiSpec Engineering Ltd. Tel ; +353 (0)87 240 33 12

#### **Spare Parts Store**

Contact ; Michael Nolan or Terence Byrne , HiSpec Engineering Ltd.

Tel ; +353 (0)59 972 19 29 Fax ; +353 (0)59 972 19 80

Email ; stores@hispec.net

### **UK**

#### **East & South East England**

Contact ; Edward Lewis, HiSpec Engineering Ltd. Tel ; +44 (0)7876 452 698

Email ; elewis@hispec.net

#### **Northern England & Scotland**

Contact ; Gordon Brodie, HiSpec Engineering Ltd. Tel ; +44 (0) 7810 04 01 00

Email ; gordon@hispec.net

#### **For Spare Parts**

Contact your local HiSpec dealer. If you require a contact name and number you can telephone head office and we would be glad to assist you.



## 18. Warranty

The following is a list of warranty terms. Warranty claims will be disallowed if they do not fall into the categories shown here.

### ***Warranty Terms***

Subject to condition of sale

12 months on all parts, excluding the below;

### ***NO Warranty on the following:***

- Hydraulic fittings
- Hydraulic hoses
- Electrical connections between machine and tractor
- Wearing parts as noted in section 15.8

### ***NO Warranty allowed for breakdowns due to:***

- Misuse of the machine, e.g. overloading by the operator
- Lack of maintenance, e.g. failure to carry out regular oiling and greasing of components and bearings where appropriate, failure to replace wearing parts such as nylon strips.



## 19. Conditions of Sale

### ***General***

In these conditions the word “Company” means HiSpec Engineering Limited. The word “dealer” means a customer of HiSpec Engineering Ltd. Purchasing machines from them for resale at recommended retail prices and the word “first user” means the first person to whom the dealer sells any goods for actual use. The company’s employees may negotiate orders and issue quotations but an order is only binding on a company when it has acknowledged the order in writing on the company’s official acknowledgement forms.

Such acknowledgement and confirmation will only be given subject to these conditions of sale. The acceptance of delivery of the goods either at the dealer’s premises or those of the first user if delivered direct to the first user shall bind the dealer and the dealer shall only sell to the first user on conditions which incorporate the company’s warranty. If he fails to sell the dealer shall have no claim whatsoever against the company except insofar as the company will honour the warranty to the dealer and through him to the first user. The term goods where used means such articles as are invoiced by the company whether manufactured, imported, distributed or otherwise sold by them.

### ***Delivery***

Should the company be prevented from delivering any goods owing to any lockout, strike, weather conditions, or other exceptional causes occurring either at their own premises, or elsewhere, then delivery shall be postponed until a reasonable time after the occurrence has ceased to cause delay, unless the parties shall mutually agree to the cancellation of the contract in respect of such goods.

### ***Cancellation of Orders***

The only ground for acceptance of a cancellation of an order shall be the non acceptance of these terms and conditions by the dealer and then only if within seven days of receiving notification of the terms and conditions the dealer notifies the company in writing of its non-acceptance. The dealer pays the company any losses suffered included any carriage charges if these have been incurred.

### ***Delays***

While every effort has been made to adhere to delivery dates or times quoted by the company, such dates or times given though given in good faith are mere estimates only. The company accepts no responsibility for delay in delivery or for the consequences of such delay however caused nor shall the dealer be entitled to reject goods thereof by reason.



### ***Design***

No responsibility is accepted for any deviation from drawings or from illustrations in catalogues, price lists, brochures or advertising material for discrepancies in weight, rated outputs. Performance from those mentioned here in which shall be treated as illustrative and approximate only.

### ***Price***

Any fluctuation in prices arising after the contract but before dispatch shall entail adjustment in the contract price and the price to be paid shall be fixed at the date of dispatch.

### ***Damage, Shortage or Loss***

The company do not accept any responsibility for any damage, shortage or loss in transit when goods are dispatched to instructions and where the transit is affected through a third party and not by the Company itself.

### ***Conditions of Resale***

The dealer shall only re-sell any of the company's products with the full and unaltered warranty that is issued with every machine invoiced by the company. If the dealer either through negligence or for any other cause fails to get the agreement of the first user to accept this warranty the dealer shall have no other recourse against the company except that contained in these conditions of sale and he dealer expressly agrees that in accepting delivery he has recourse in law against the company nor will he join the company as third or other party in any action which results against him from the resale of the company's products.

### ***Warranty***

The Company warrants its products through the dealer and through the dealer to the first user. The dealer shall only re-sell the company's machines with the benefit of the company's warrants. The said warranty is as follows:

The company warrants, subject as hereinafter provided, that all new goods supplied by it shall be free from defects in material and workmanship, its liability under such warranty being limited to making good at a factory to be nominated by it, such parts or parts which shall within six calendar months from the date which the product was delivered new to the retail purchaser be returned to the company or its authorised representative which the company is satisfied on its examination of the part or parts to have been defective in material or workmanship provided that. All replaced parts shall become the property of the company.

The foregoing warranty does not extend to any product which shall have been repaired, altered, neglected or used in any way so as, in the judgement of the company (whose decision is final) may have adversely affected its stability or reliability, nor does this warranty apply to proprietary articles, accessories or parts not manufactured by the company but where any such warranty is given by the manufacturers of such articles, accessories or parts any benefits under such warranty will be passed on by the company.



The company will not be responsible for damage or loss caused by incorrect machine settings, ground speed or operation of the machine in unsuitable conditions and the company's decision as to the suitability of the condition shall be final. Fair wear and tear is excluded from any claim and no responsibility whatsoever is accepted for damage, which in the company's Opinion is caused by hazards of soil, stones of foreign objects.

The warranty is transferable to a second or subsequent owner (within the warranty period) subject to the company being notified in writing of this change of ownership.

Complaints referring to faulty or incomplete deliveries or to obvious faults must be notified to the dealer in writing within fourteen days after receipt of goods. In the absence of such notification delivery shall be considered as having been accepted as in good order and condition.

The company does not give any warranty in respect of its goods except therefore going Warranty which is given expressly in lieu of and excludes all other warranties and conditions expressed or implied whether under common law, Statute or otherwise and every form of liability for loss or damage direct or consequential or for any accidents resulting from defective material faulty workmanship or otherwise, is expressly excluded.

### ***Liability***

In no circumstances whatsoever shall the Company's liability (in contract, tort or otherwise) to a buyer under, out of or in connection with this contract or the goods supplied exceed the invoice price of the particular goods in regard to which component is made.

### ***Title of the Goods***

The title in the goods shall not pass to the customer until the customer shall have discharged all sums due by the customer to the company at the date of the final handing over of the possessions of goods.

### ***Interest***

If the customer shall fail to pay any sum due in foot of this transaction within fourteen days after the same shall become due, the customer shall pay interest thereon calculated from the due date of payment at the annual rate equal to 4% over the prime rate charged from time to time by the associated banks on secured loans to individual customers.



## 20. Registration Forms



HiSpec Engineering Ltd.  
Station Rd., Bagenalstown,  
Co. Carlow, Ireland  
**Tel: - 059 9721929**  
**Fax: - 059 9721980**

Please complete the following forms in full.

The first is a warranty registration form; this form is issued in accordance with our conditions of sale and with particular reference to the condition governing warranty. We cannot process a claim unless all particulars are supplied.

The second is an acceptance form, which the purchaser is asked to sign to acknowledge he/she has received a copy of the Operator manual and full training for the machine purchased.

Please do not sign if you have not received both of these.

### **Warranty Registration**

Machine Type \_\_\_\_\_ Machine Model \_\_\_\_\_

Date of Purchase \_\_\_\_\_ Serial Number \_\_\_\_\_

Purchasers Name \_\_\_\_\_ Dealer's Name \_\_\_\_\_

Signature \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_ Address \_\_\_\_\_

Phone \_\_\_\_\_ Phone \_\_\_\_\_

### **Training and Operator Manual Registration**

Please sign the following declaration to state that you (the purchaser) received the appropriate Operators Manual and Training Instructions on the day of purchase of your HiSpec product.

I, the purchaser have received my HiSpec Operators Manual and training from the below dealer.

Purchaser \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Dealer \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

*This copy is to be kept in your manual for your reference.*



## 21. Registration Forms



HiSpec Engineering Ltd.  
Station Rd., Bagenalstown,  
Co. Carlow, Ireland  
**Tel: - 059 9721929**  
**Fax: - 059 9721980**

Please complete the following forms in full.

The first is a warranty registration form; this form is issued in accordance with our conditions of sale and with particular reference to the condition governing warranty. We cannot process a claim unless all particulars are supplied.

The second is an acceptance form, which the purchaser is asked to sign to acknowledge he/she has received a copy of the Operator manual and full training for the machine purchased.

Please do not sign if you have not received both of these.

### **Warranty Registration**

Machine Type \_\_\_\_\_ Machine Model \_\_\_\_\_  
Date of Purchase \_\_\_\_\_ Serial Number \_\_\_\_\_

Purchasers Name \_\_\_\_\_ Dealer's Name \_\_\_\_\_

Signature \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_ Address \_\_\_\_\_

Phone \_\_\_\_\_ Phone \_\_\_\_\_

### **Training and Operator Manual Registration**

Please sign the following declaration to state that you (the purchaser) received the appropriate Operators Manual and Training Instructions on the day of purchase of your HiSpec product.

I, the purchaser have received my HiSpec Operators Manual and training from the below dealer.

Purchaser \_\_\_\_\_  
Signature \_\_\_\_\_  
Date \_\_\_\_\_

Dealer \_\_\_\_\_  
Signature \_\_\_\_\_  
Date \_\_\_\_\_



*This copy is to be posted to HiSpec Engineering or given to your dealer*

## 22. Declaration of Conformity

### Applied Directive(s);

- *EC Machinery Directive - 2006/42/EC*

We hereby certify that the machinery stipulated below complies with all relevant provisions of the EC Machinery Directive and the National Laws and Regulations adopting this Directive.

Modifications to the machine without prior approval from the undersigned will render this declaration null and void.

**Manufacture** *HiSpec Engineering Ltd.*

**Machine** *Kompactor*

**Model(s)** *'K30' to 'K40'*

**Serial Number** \_\_\_\_\_

**Manufacture's Address ;** *Station Road, Bagenalstown, Co. Carlow, Ireland.*



### Machine Description;

The Kompactor is a 'Push-Off' type agricultural trailer, to be used in combination with an agricultural tractor, for the transport of low density materials such as; Grass forage, Compost, Wood Shavings, etc.

### Applied Harmonised Standards;

- *EN ISO 12100 : 2010 ; General Principles for Design - Risk Assessment and Risk Reduction.*
- *EN ISO 4254 - 1: 2013 ; Agricultural Machinery - Safety - Part 1 General Safety.*
- *EN ISO 14121-1:2007, Safety of Machinery – Principle of Risk Assessment*
- *EN 842:1996 + A1: 2008 ; Safety of Machinery - Visual Danger Signals - General Requirements, Design and Testing.*



**Signed**

\_\_\_\_\_

**Name**

\_\_\_\_\_

**Date**

\_\_\_\_\_

**Position**

\_\_\_\_\_

*Being the responsible person appointed by the manufacturer*



*HiSpec Engineering reserves the right to make changes and improvements at any time without incurring any obligation to make such changes on products previously sold.*



